

INITRECEPTION EDITION

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TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY,
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY.

Vol. XXV.

FRIDAY, OCTOBER 20, 1933

No. 2

CANADA'S RECOVERY AND ENGINEERING

Address by Brig.-Gen. Mitchell (Pres. Toronto Board of Trade) before the Engineering Society at its Inaugural Meeting, 16th October

Canada's business recovery is now on the way. The tide has now definitely turned and the Engineering Profession may confidently expect the revival of its activities.

The revival will be slow but it will continue to be definite and before long it will accelerate. We cannot expect to wake up some fine morning and find the active prosperous times of four years ago already arrived; rather we must be patient and cool and take our part in trying to keep those about us steady and sensible in these difficult times.

Canada along with the rest of the world, has been suffering from war debt problems and difficulties, shrinking markets at home and abroad, continuous contraction in demand and supply and consequent lessening of production with unemployment following with it.

As we now look back we realize that engineering activities under these conditions have run true to form in that they were the last to subside as the depression gained momentum and now, as it is slowing down, engineering is among the first activities to revive. This is already manifested by the increasing employment of engineers now evident about Toronto and throughout the Province of Ontario. The absorption of last spring's graduating class from this University—while considerably larger than previous ones—has found employment in a ratio greater than before. In the profession generally (as reported through the Technical Service Council) there is over fifteen per cent. more employment now than six months ago.

Let us, however, look at other signs of improving conditions throughout Canada, always keeping in mind that activities in the engineering and architectural professions are almost directly reflected from the general prosperity of the country indeed are a very essential part of its progress.

Canada's favourable trade balance has increased in the last six months at

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FACULTY OF APPLIED SCIENCE & ENGINEERING CHRISTMAS CARD COMPETITION

For many years it has been difficult to choose a Christmas Card for the Faculty that would suit everyone. We are relying on S.P.S. native talent to overcome this difficulty.

RULES OF COMPETITION

1. Entrant must be a student of S.P.S.
2. Design must be easy to reproduce commercially.
3. Design drawings not to be larger than four times post card size.
4. Designs MUST be original.
5. Closing date, Friday, Nov. 3rd, 1933.
6. Designs must be delivered to Miss Bradshaw before this date.

A suitable prize will be awarded by the Engineering Society.

REQUIREMENTS FOR INITIATION

1. Every Freshman must be in the Hart House locker room at 7.30 p.m.

There will be a fitting punishment for those who are absent and late without a good excuse.

2. Each must provide himself with old duds, a pair of gym. shoes and a "Pal".

3. The Hart House locker room will be used as an undressing room. A place will be provided to place your good clothes.

4. Each candidate must present the sum of 30c. at the door.

5. Physical examination cards or certificate of disability must be presented at the door.

6. Green ties will be worn.

7. All breakages will be charged to the Freshman and Sophomore Years.

EXTRA — Sophomore Plant Goes Into Production

A few weeks ago, in the Design Department of the Sophomore Construction Co., there was an air of intense activity and industry—for again the company's busy season had rolled around with the advent of a new crop of Freshmen (bless them!). There the brilliant heads of the various departments had collected to form something in the nature of a Brain Trust, whose main duty was to design new and improved machinery for the manufacturing of raw-freshman-material into the finished Schoolman product. At last this group has finished its important work and their plans, approved by the directors, have been placed in the hands of the extortion committee which operates the machines. (Members of the committee include Simon Legree, Captain Kidd, Tamerlane, Jesse James, Gaspique O'Rorke and others.)

While the Brain Trust was reluctant to divulge any of its plans before the plant was ready to go into production, they were finally persuaded (at the point of a gun) to give some general hints as to the nature of their vigorous process.

The plant will begin operation on Friday, October 20th, at 7.30 p.m. (eastern standard time) and the Hart House factory is to be used exclusively. The raw material will be collected, graded and sorted in the receiving room, whence it will be put through the "charging" door (30c.) to be melted down and poured as required. After the heat treatment it is water-cooled and then led to the gyrators where the material loses all sense of direction and is convinced that it has been picked up by a good-sized tornado. Then with the aid of conveyors, the substance is given a trip to the shop proper, during which trip some of the scales and rough edges are sure to be knocked off by the scrapers provided for the purpose.

From here on the information supplied to us is very sketchy and incomplete, but it is thought that this lack of lurid detail will spare the material any mental anguish prior to the time of machining.

However, the next piece of apparatus is a pounding machine which thoroughly batters the material to determine whether it can stand sufficient shock to continue. If the sample blows up or

(Continued on Page 4)

The Toike Oike

Devoted to the interests of the Under-graduates of the Faculty of Applied Science.

Published Every Now and Then by the Engineering Society of the University of Toronto

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THE SPOTLIGHT

The Supply Department is probably more in the spotlight this month than any other department so here is a message from the manager:

The Supply Department, as you probably have heard me mention before, is making every effort this year to save you money and facilitate your purchasing. I should perhaps explain this last phrase. It means that if you want some special instrument, etc., don't you bother running all over creation looking for it, merely enter the sacred portals of your society, enjoy one of Miss Bradshaw's smiles, and ask the young lady to please have one of our reliable suppliers send it to us for you.

The men in the senior years will notice another change this year also. I refer to the faculty pins. We have, I believe, picked on a well balanced, snappy design which is available at the same price for back numbers as for this year's First Year. I might add that in a few days we will have some advertising around for these pins, and at that time you will be able to see the design for the new faculty ring for which we will gladly take orders.

That, I believe, completes the news of the store for this time, but in passing please remember, that the Supply Department is YOUR store, so patronize it, take advantage of the low prices for such high quality and make the establishment a real success.

D. G. RITCHIE, 3T5,
2nd Vice-president.

HALLUCINATIONS

Plans for a new Engineering building have been under way for some time but the details have been very closely guarded. Due to the untiring efforts of our sleepless reporter these plans have at last been brought to light and we present them to you exactly as received:

DEAR EDITOR:

The plans you are waiting for are finally ready and I have had considerable trouble in obtaining them. They were drawn up by the firm of Anderson-Ritchie-Bradshaw and Co., and under persistent questioning the members of the firm finally broke down and revealed the details of this remarkable edifice as follows:

The supply department will include an enormous bar, equipped with the most modern and capacious refrigerating tanks. A novel feature of this department will be an elaborate pipe line connecting all branches of the faculty with this huge reservoir which will be kept adequately supplied. The whole department will be built on such a large scale that it is estimated that if all the Freshmen were to stand at the bar at one time they would reach. Flanking this dispensary will be cigarette and chocolate bar counters where even the lowliest Freshman may help himself absolutely free. In a small corner of the room a section will be reserved for the sale of slide rules and supplies as it is thought that there should be at least an appearance of Engineering equipment.

The next room will be furnished with chesterfields, Persian rugs, etc., and may be used as a lounge or a common room. Adjoining this, a room will be furnished as an elaborate dance floor for which, as stipulated in the contract, one hundred beautiful hostesses must be provided, the minimum charge to be ten cents a dance. As an added convenience a special department will be operated by W. S. Smith, B.A. Fem. (Bachelor of Applied Femininity) where one may secure phone numbers for any desired description. The proposed bowling alleys and billiard rooms will take up the remainder of the ground floor.

The second floor plans provide for a complete library (uncensored), gymnasium and a novel new shooting gallery of special interest to those who spend their time in chem. labs. This will be fitted up with every conceivable type of glass apparatus and the players will be supplied with a gun and a prayer.

The third floor will be entirely taken over by a huge motion picture amphitheatre.

Specifications also call for a sound-proof basement which will be kept locked at all times and which will contain all lecture rooms and labs. with comfortable quarters for the staff.

Well, here comes the keeper to take me back to that dirty cell so if I think of any more good plans I'll write you in time for the next edition.

RUSSIA

Mr. H. Spencer Clark, who graduated from S.P.S. ten years ago, recently spent a summer in the land of the Reds. He has given already many effective talks, well illustrated with the numerous slides he possesses, depicting the activities of that country. The Engineering Society will have the occasion of hearing him on October 31st, at 4 o'clock. As a graduate of this faculty his reactions to and observations of the great experiment in Russia will be of particular interest to us. The undergraduates should avail themselves of this chance to hear a sympathetic and good lecture on "An Engineer looks at Russia".

SCHOOL DINNER

This fall all the embryo engineers will gather for the 44th consecutive time to honour their chosen profession with banquet, speech and song. This is an occasion when both students, graduates and faculty mingle together under one common title—Engineers.

The dinner committee have already commenced to function and have reserved Hart House for the evening of Tuesday, December 5th, 1933. We advise you to make a note of this date right now and avoid making other engagements for this evening. As yet we are keeping the guest speaker of the evening a dark secret in order to be able to surprise you agreeably at a later date. However you may rest assured of his prominence in North America and his prowess as an after-dinner speaker.

The staff at Hart House is assisting the Committee in every manner and are bound to provide a sumptuous dinner. The Committee is unanimous in its acclaim of the assured greatness of the 44th Annual School Dinner and urge you to help in any way to make it even better than those of previous years.

DEBATING CLUB

Gentlemen:

Once again the joys of our summer vacation are but dim memories of the past and once again we struggle in the mire of levels, transits, tapes and chains to the betterment of our own end.

As chairman of the Debating Club I wish to extend to Freshman, Sophomore, Junior and Senior, a hearty welcome and to express my thanks for your loyalty and support in the recent by-elections.

It is not necessary for me to express the aims of this Club for the object itself is expressed in the name, but what I do wish and most ardently desire is that you will co-operate with the committee and myself and if this is forthcoming I see no reason why we will not enjoy one of the biggest and best seasons of the Club's history.

Yours sincerely,

F. J. HICKEY.

CLUB NOTES

THE ELECTRICAL CLUB

Gentlemen, I am sure we all wish Newt Schell the best of luck, and his many friends in the Club regret his inability to carry on with us.

Our Club this year is starting off under a handicap of a late start, but this will soon be overtaken and our success sustained. Our organization is now complete and you will hear from your executive in the near future. We hope that the Freshmen will avail themselves of every opportunity to enjoy the activities and help to make our club a friendly association.

It is our intention to hold the smoker in the Music Room of Hart House this year, which will enhance these informal get-togethers. The topics will interest all of us, and the entertainment will be looked after. Our dance last year was a pleasant surprise and it will be repeated to the liking of all those who crowded our party the last time. The big event, however, will be the Club Dinner, which we expect to have at the Engineers' Club again.

The membership tickets are in the hands of your representatives and your co-operation is kindly asked. Don't forget your club depends on your support and you will be well-pleased with your investment in it.

BILL FARQUHAR, *Chairman*.

MINING AND METALLURGY CLUB

Well, gentlemen, the ice has been broken and we're away in a cloud of miner's yells and small Devonian boulders. Last Friday evening in the Music Room at Hart House, the more precocious members of our Club, commonly referred to as Frosh, were deprived of an unavailing dignity and heartily welcomed to membership in the Mining & Metallurgical Club.

Unfortunately, at this date we are not able to announce our Honorary Chairman for the coming year, but this will be forthcoming in the near future, also the announcement of our first dinner. As in the previous year, we hope to hold all our dinners at the Engineers Club.

Is democracy a failure? Well, then, let's hear something from you. Do we want a trip this year? Do we want a dance? Why, when and where? Tell your year rep. all about it.

Every cloud has a silver lining. And that particular cloud referred to in the first paragraph must be lined with silver half-dollars. So don't make life a burden for your year rep., but pay your fee while you can afford it.

J. W. CARRINGTON.

THE ARCHITECTURAL CLUB

Welcome Freshmen! We hope that you will make the most of the opportunities which are denied to so many. You are at University for the only time in your careers—make full use of the activities and institutions around the campus, and concentrate your own activities there.

The club attempts to create a closely knit fellowship among the Architectural students by organizing meetings with speakers, discussions, and social activities; thereby rounding out their education and university life.

The club season started with the second, third and fourth years having their usual colourful ten-day outing at Gull Lake. From all accounts it was a success and we are looking forward to an exhibition of the results, which, at present, seem to have been reduced to a few coughs and sneezes.

The formal take off of club activities will be at our banquet on the 24th of this month in Diana Sweets. It will be a success as we expect everybody out to introduce the freshmen to the great fraternity of Architects. The chef has a delectable meal in store for us; the frosh, who will entertain us, we are sure, will keep up the high standard of hilarity set by the two previous years; and Mr. Forsey Page, our Honorary President will have something both enlightening and interesting to say.

Meetings of the club will be held by-weekly, where speakers will lecture or lead discussions on varied topics allied to Architecture. Trips, outings and at least one dance will be arranged by the club.

The executive expects the co-operation of all members, as only then will they be able to provide the desired activities.

F. LASSERE.

CHEMICAL CLUB

The Chemical Club held its first smoker in Hart House on October 4th, thus starting a promising year. Always renowned as one of the best (if not the bestest) of clubs, the Club is prepared to uphold its reputation. A complete programme has already been prepared.

The next smoker will be held on Wednesday, October 25th. The speaker will be Prof. L. J. Rogers, Provincial Analyst, who will speak on various topics connected with murders and poisonings. So come on all youse fellers, and enjoy an eventful evening.

The Chemical Club intends to hold functions every third Wednesday. So get out your beautiful blue bibles and keep these dates open.

DON FRASER, *Chairman*.

CIVIL CLUB

Members of the Civil department are looking forward to the annual excursion. Last year the Civils journeyed to Windsor (and Detroit) to inspect the Detroit-Windsor tunnel and also the Ambassador Bridge. The trip turned out to be very interesting and quite successful (ask Smith or Carbone).

This year, as far as is known at present we will visit the Canada Cement Plant at Port Colborne. The date as yet has not been set, but definite arrangements will be announced through the year representatives. Every member should make an effort to be on hand for the trip, so start thinking about it now.

Sometime in the near future our first smoker will take place. These functions are always both entertaining and interesting, so watch for the date and get set for it.

This is your club fellows so get together and help it through a successful year.

JOHN P. BORREY,
Civil Club Chairman.

THE MECHANICAL CLUB

We welcome the 35 new members of the Club still wearing the remains of their beautiful green ties and while at present they may not see now what the subjects on their Curriculum have to do with the new go-carts and free-wheeling, still before they get out of fourth year(?) they will have received as sound an engineering training as is obtainable in these parts and a very few will even know what all those scales on their polyphase duplex are put there for.

This Friday, the 20th of October, 3T4 Mechanicals will journey forth accompanied by Dept. 7 to see what makes the generators go 'round at Queenston and Niagara Falls. This trip is probably the only chance to ever see these plants so thoroughly, especially the model of Niagara Falls, which will be in full operation for our benefit.

The beginning of November will also see the commencement of a series of more interesting smokers, so help your executive and pay your annual fee of 50c. to your representative now.

D. F. CORNISH.

STOP THE PRESS
NEWS!

HART HOUSE
MASQUERADE

FRIDAY
NOVEMBER 17, 1933

(Continued from page 1)

CANADA'S RECOVERY AND ENGINEERING

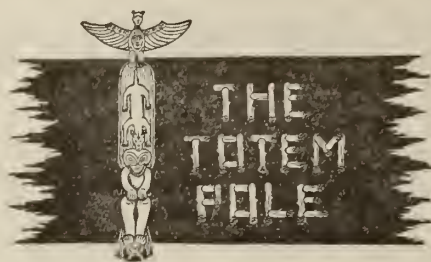
a rate that has caused agreeable surprise and it has obviously been largely due to the concerted action of the business interests in close co-operation with the steady directing influence and energy of the Dominion Government. We must, in this connection, keep in mind that we must look to our export trade for a large measure of our prosperity. Canada is an exporting country and will, let us hope, continue to be for a long time to come.

As an example of this there was an increase in our exports for September of ten million dollars over the same month last year. Over the whole year ending 31st August, as recently announced by the Prime Minister of Canada, both exports and imports have risen with the former showing the more rapid increase, with the result that Canada had a favourable trade balance of over 114 million dollars. For the corresponding period last year the figure was 38 million, whereas in the two previous years there were unfavourable balances of 45 and 103 millions.

Carloadings in Canada increased for July over last year by 14.6 per cent. In these and recent increases in transportation, agricultural products account for 14 per cent., mine products 13 per cent., forest 41 per cent., and manufactures 32 per cent. During the past six months unemployment has materially decreased. Ottawa reports an increase in employment of 246,000.

Financially Canada has taken notable steps and it is evident that whatever opinions might be a year ago, our credit today is beyond question. A Canadian loan in London in the summer was snapped up by the British in two days and the new domestic loan just put on by the Dominion last week for 225 million was oversubscribed in five days by 12 per cent. and that wholly by our own selves in Canada.

At the convention at Ottawa last week of the Canadian Chamber of Commerce, this same spirit of confidence was strongly displayed by Boards of Trade from all over Canada. Naturally all are trying to help in the Recovery and many constructive recommendations were made in their statement of Policy. Among these were: to continue utmost efforts to balance budgets in public finance—Dominion, Provincial and Municipal; hearty approval and support for the Empire Trade agreements of last year and opinion that the principles of the United States' N.R.A. are not applicable to Canada. They approved the principle of giving work and providing construc-



TOIKE OIKE "SCHOOL"

**OUR COFFEE SERVICE WILL
BE ON NEXT WEEK**

Try us for your light catering

tion works for relief in so far as circumstances will permit and urged the necessity of active construction by private enterprises. They also emphasized that Governments "keep out of business so far as they possibly can" in order to encourage private initiative and enterprise which has been the secret of the genius and success of the British people in finance, trade, and industry.

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EXTRA—Sophomore Plant Goes Into Production

bursts open at the sides, it is sent back to be melted down and recast.

The substance is then placed in an annealing tube sealed hermetically at both ends and then left to be the victim of its own actions and reactions. There is little chance of the material becoming injured during this stage if care is taken to see that it does become mixed up with the ground glass or the hot oil.

If the substance is in condition to continue after this, it is put through the rolling mill while it is still "hot". Here it is rolled to the desired shape and cut off in required lengths. The material is now in entirely different shape from when it came in, and is nearly ready for the last process, after which it will be labelled "True Schoolman".

The next stage is a standard machine process, performed on a planer. The material is given a sliding motion along the planer table and is passed under the cutting tool at the required speed.

Now the various composite parts are taken in charge by more conveyors and sent down the spiral delivery chute to the assembly floor where the parts are all co-ordinated and adjusted for maximum efficiency. Lubrication of the bearings is, of course, the final stage and the most pleasant to undergo.

The foregoing account of the reception to First Year was obtained at great risk by your hard working operative.

BOB MCINTYRE, 3TG.

THE SPORTOIKE OR SOMETHING!

Schoolmen! What do you say? Let's make this the greatest year athletically that School has known in many a year! There is not one reason why we can't. The material is here, the enthusiasm is here, the equipment (the best Brown's Sports could provide) is here, so why not?

You will derive a great deal more benefit out of taking part than from looking on. See what it feels like to get back into a rugby uniform or a track outfit or shuffle after a soccer ball or even get hit over the head with a lacrosse stick—can we take it, erf erf! You're not a bunch of decrepit old men yet! What's more, exercise stimulates brain action—that much harder to plough you my dear.

We are not going to just miss championships this year—it means we've got to fight—fight every inch of the way. You can do it—you and nobody else can put School back in that proud niche she occupied so much in former years.

By the way, we got off to an excellent start the other day. Did you see where School won the Interfaculty Track Meet? "Good going men and congratulations!" So let's up and at 'em, grasp every opportunity, we can't let the old School down. Keep in mind that old quotation—"He can who thinks he can".

HARP MCNICHOL

TEAM NOTES

Last year Dame Fortune almost refused to have anything to do with Schoolmen when it came to handing out championships, only three coming to School. Everything considered, this should be our year for the silverware. Already we have won the Interfaculty Track Meet and seem to be well on our way to bringing home the Mulock Mug. Of course, it is rather embarrassing to have the worlds present punishment for its past sins, commonly called "Meds" in the same group; to describe the humiliation when they actually take a win from us is impossible. Last year we mentioned something about an all-School rugby final. If you aren't playing this term get behind these teams, give them your vocal support, suggestions, etc., and see if we're wrong this year.

To-day the Intercollegiate Track Meet takes place in Kingston and S.P.S. has six men representing Varsity. Watch the results and notice how Gandicr, McArthur, Fleming, Hickey, Westhouser, and Hogg hold their own with the best from McGill and Queens.

J. J. DUTTON